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(71) Applicant (for all designated States except US): **NO-
VASEPTIC AB** [SE/SE]; Rödjans väg 7, S-449 34
Nödinge (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MYHRBERG,**

Lennart [SE/SE]; Ivar Arosenius väg 29, S-446 33 Älvän-
gen (SE). **ERIKSSON, Christian** [SE/SE]; Häradsgatan
31, S-431 42 Mölndal (SE).

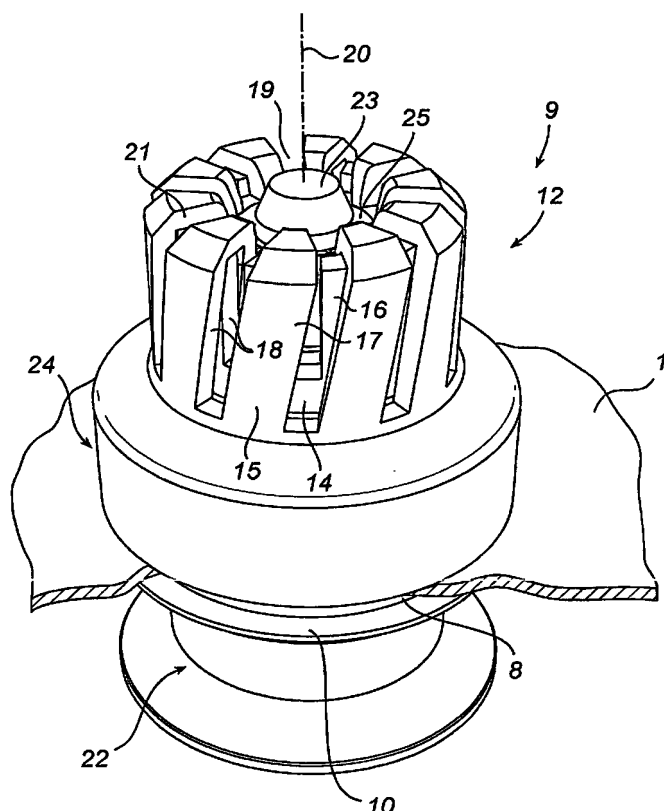
(74) Agent: **AWAPATENT AB**; Box 11394, S-404 28 Göte-
borg (SE).

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(54) Title: **PROCESSING UNIT**



(57) Abstract: A device for cutting/shearing in a process vessel (1) product clusters and/or materials (3) into smaller particles and dispersing them in a liquid product bulk (4) or for mixing in the process vessel liquid products with each other that are difficult to mix. The device has an electric motor (13) arranged out- side the process vessel and, driven by the same by magneto drive, a processing unit (12) positioned inside the process vessel. The processing unit comprises a stationary inner part (14) and, rotatable about this, an outer part (15), the inner and outer parts having the shape of substantially concentric rings (16, 17) arranged with a close fit to each other and having a plurality of through slotshaped shearing recesses (18) opposing each other. The products that are to be cut/shorn and/or mixed are suppliable to the area of the common centre axis (20) of the rings and are thrown out through the shearing recesses while being shorn into pieces in order to leave the processing unit through the ring of the outer part, which ring also contributes to rotating the products in the process vessel around the processing unit.



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